

10/070675

JC19 Rec'd PCT/PTO 06 MAR 2002

Express Mail No. EV053212625US
PATENT

WDN:dm 03/06/02 4239-62279 103279.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ronald W. Waynant

Art Unit: _____

Application No. _____

Filed: Herewith

For: TIME-GATED IMAGING WITH A
SPLIT-BEAM SOURCE

Examiner: _____

Date: March 6, 2002

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(2)

COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Sir:

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

Applicant filed this Information Disclosure Statement ("IDS") within three months of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicant to file this Information Disclosure Statement, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By William D. Noonan
William D. Noonan, M.D.
Registration No. 30,878

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Docket: 4239-62279		App: _____	
				Applicant: Ronald W. Waynant			
				Filed: Herewith		Art Unit: _____	
U.S. PATENT DOCUMENTS							
Init.*		Number	Date	Name	Class	Sub	Filed
		3,864,643	2/4/1975	Waynant			
		3,956,711	5/11/1976	Waynant			
		3,991,387	11/9/1976	Waynant			
		5,275,168	1/4/1994	Reintjes et al.			
		5,418,797	5/23/1995	Bashkansky et al.			
FOREIGN PATENT DOCUMENTS							
		Number	Date	Country	Class	Sub	
		0 446 028 A2	11.09.91	EPC			
OTHER DOCUMENTS							
			Database WPI, Section EI, Week 199418, Derwent Publications Ltd., London, GB, AN 1994-150804 & US 8 083 580 A (US Dept. of Navy) 1194.				
			Barty et al., "Multiterawatt 30-fs Ti:sapphire Laser System," <i>Opt. Lett.</i> 19:1442-1444 (1994).				
			Barty et al., "Ultrafast, Laser-Generated, X-Ray Radiography," <i>Tuesday Morning, CLEO</i> , pg.73 (1996).				
			Barty et al., "Time-Gated Medical Imaging With Ultrafast Laser Plasma X-Rays," <i>SPIE</i> 2523:286-298 (1995).				
EXAMINER:				DATE			
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.							

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Docket: 4239-62279	App: _____
			Applicant: Ronald W. Waynant	
			Filed: Herewith	Art Unit: _____
OTHER DOCUMENTS				
			Barty et al., "Applications of a 30-fs Multiterawatt Laser (A): Generation and Time-Gated Imaging of Laser-Produced X-Rays for Medical Applications," Laser Interaction and Related Plasma Phenomena, 12 th International Conference, pp. 672-677 (1996).	
			Bell et al., "Electrical Characteristics of Short Pulse Gated Microchannel Plate Detectors," <i>Rev. Sci. Instrum.</i> 63:5072-5074 (1992).	
			Carruthers in <i>Optical and Electro-Optical Engineering Series</i> , Waynant et al. (eds.), McGraw Hill, pp. 15.1-15.39 and 18.8-18.11 (1993).	
			Ehrlich et al., "Guiding of High Intensity Laser Pulses in Straight and Curved Plasma Channel Experiments," <i>Phys. Rev. Lett.</i> 77:4186-4189 (1996).	
			Gordon III et al., "Time-Gated Imaging with an Ultrashort-Pulse, Laser-Produced-Plasma X-Ray Source," <i>Opt. Lett.</i> 20:1056-1058 (1995).	
			Grätz et al., "Time-Gated Imaging in Radiology: Theoretical and Experimental Studies," <i>J. Selected Topics in Quantum Electron.</i> 2:1041-1048 (1996).	
			Hooker, "Light at the End of the Tunnel?," <i>Opt. Photonics News</i> , pp. 21-25 (1997).	
			Jennings et al., "Evaluation of X-Ray, Sources for Mammography,"	
			Kaganovich et al., "Investigations of Double Capillary Discharge Scheme for Production of Wave Guide in Plasma," <i>Appl. Phys. Lett.</i> 71:2925-2927 (1997).	
EXAMINER:			DATE	
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Docket: 4239-62279	App: _____
			Applicant: Ronald W. Waynant	
			Filed: Herewith	Art Unit: _____
OTHER DOCUMENTS				
			Kasapi et al., "Electromagnetically Induced Transparency: Propagation Dynamics," <i>Phys. Rev. Lett.</i> 74:2447-2450 (1995).	
			Korobkin et al., "Demonstration of Soft X-Ray Lasing to Ground State in Li III," <i>Phys. Rev. Lett.</i> 77:5206-5209 (1996).	
			Lemoff et al., "Generation of High-Peak-Power 20-fs Pulses from a Regeneratively Initiated, Self-Mode-Locked Ti:sapphire Laser," <i>Opt. Lett.</i> 17:1367-1369 (1992).	
			Mourou et al., "Ultrahigh-Intensity Lasers: Physics of the Extreme on a Tabletop," <i>Physics Today</i> , pp. 22-28 (1998).	
			Nagata et al., "Soft-X-Ray Amplification of the Lyman- α Transition by Optical-Field-Induced Ionization," <i>Phys. Rev. Lett.</i> 71:3774-3777 (1993).	
			Tien et al., "High-Dynamic-Range Laser-Pulse-Contrast Measurement with a Plasma-Shuttered Streak Camera," <i>Opt. Lett.</i> 22:1559-1561 (1997).	
			Tillman et al., "Imaging Using Hard X-Rays from a Laser-Produced Plasma," <i>Appl. Phys.</i> 61:333-338 (1995).	
			Tillman et al., "Elemental Biological Imaging by Differential Absorption Using a Laser-Produced X-Ray Source," <i>JOSA B</i> 13:209-___ (1996).	
			Yamakawa et al., "Generation of 16-fs, 10-TW Pulses at 10-Hz Repetition Rate with Efficient Ti:sapphire Amplifiers," <i>Opt. Lett.</i> 23:525-527 (1998).	
EXAMINER:			DATE	
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.				